

## **Request for Proposal**

**RFP – General Contractor  
PHASE III CONSTRUCTION  
FOR ADDITIONS AND RENOVATIONS  
Jonathan Trumbull Jr. House Museum  
TOWN OF LEBANON, CONNECTICUT**

**RFPs are due by: March 17, 2016 at 3:00 P.M.  
To the SELECTMAN'S OFFICE  
At LEBANON TOWN HALL  
579 Exeter Road  
Lebanon, CT 06249**

**SHERRI-ANN MARTIN, Chairman  
JONATHAN TRUMBULL Jr. HOUSE MUSEUM (JTJHM LLC)  
TOWN OF LEBANON**

**Phase III ADDITIONS AND RENOVATIONS  
Jonathan Trumbull Jr. House Museum  
INDEX**

Instructions to Bidders and Invitation to Bid  
Notice to Bidders  
Bid Form, Qualifications and Bid Return Label  
General Conditions  
Supplementary Conditions

<b>DIVISION/SECTION</b>	<b>TITLES</b>
<b>DIVISION 1</b>	<b>GENERAL REQUIREMENTS</b>
Section 01019	CONTRACT CONSIDERATIONS
Section 01039	COORDINATION AND MEETINGS
Section 01045	CUTTING AND PATCHING
Section 01300	SUBMITTALS
Section 01600	MATERIALS AND EQUIPMENT
Section 01700	CONTRACT CLOSEOUT
Section 01921	SELECTIVE DEMOLITION
<b>DIVISION 6</b>	<b>WOOD AND PLASTIC</b>
Section 06100	CARPENTRY

**LIST OF REFERENCES, ATTACHMENTS and DRAWINGS**

**DRAWINGS:**

<b>Dwg. 1</b>	<b>ADA Sign</b>
<b>Dwg. 2</b>	<b>EII Floor Plan</b>
<b>Dwg. 3</b>	<b>Office -Plan &amp; South Elevation</b>
<b>Dwg. 4</b>	<b>Bathroom – Plan &amp; South Elevation</b>

**Attachments:**

<b>A 1</b>	<b>Photo Sample of New Exterior Sign Type</b>
<b>A 2</b>	<b>Asbestos and Lead Report from Assessment Report</b>

## **Instructions to Bidders**

Contractors are required to visit the site for a **mandatory pre-bid meeting and inspection**. The pre-bid meeting shall be **March 7, 2016 at 10:00 am** at the Jonathan Trumbull Jr. House Museum, 780 Trumbull Highway (Route 87), and Lebanon, CT.

## **Town of Lebanon Invitation to Bid for Phase III Construction**

The Town of Lebanon is seeking Requests for Proposals for **PHASE III CONSTRUCTION FOR ADDITIONS AND RENOVATIONS to the Jonathan Trumbull Jr. House Museum**. The RFP Description and Requirements may be downloaded at <http://www.lebanonct.gov>. Technical questions must be emailed March 9, 2016 to [firstselectman@lebanonct.gov](mailto:firstselectman@lebanonct.gov): Att. Sherri-Ann

Martin. Deadline for the Proposal submission: **Thursday March 17, 2016 at 3:00 p.m.** in the Lebanon Town Hall, Office of the First Selectman, 579 Exeter Road, Lebanon, CT 06249.

## **Notice to bidders**

- A. The Firm will be evaluated and selected based on technical competence, capacity and Capability to perform the work within the time allotted, and past record of performance, which will be appropriately weighted in descending order of importance. Preference will be given to those firms with specific experience with Historic Houses additions and renovation projects. The Firm must be licensed in Connecticut.
- B. Firms responding to this request should be of adequate size and sufficiently staffed to perform the assignment described above. The selected firm must meet all Town of Lebanon, State of Connecticut, and Federal affirmative action and equal employment opportunity practices. All interested firms must submit a complete detailing of the organizational structure under which the firm proposes to conduct business.
- C. Proposal packages may be obtained by downloading free of charge from the Town of Lebanon web site: <http://www.lebanonct.gov>.
- D. All questions concerning this RFP should be directed by email to [firstselectman@lebanonct.gov](mailto:firstselectman@lebanonct.gov): Att. Sherri-Ann Martin.
- E. All proposals shall be submitted in the order stipulated on the RFP and in a clearly marked, sealed envelope using the Bid Return Label provided as designated in the Information for Bidders. All proposals must be received by the Selectman's Office, Lebanon Town Hall, 579 Exeter Road, Lebanon, CT 06249, by March 17, 2016 at 3:00 pm. Responses received after this date will not be considered.
- F. The Town of Lebanon reserves the right to waive any defect or any irregularity in the RFP and reserves the right to reject any or all proposals or any part thereof.
- G. All bids and proposals are subject to, and must comply with, the equal opportunity and nondiscriminatory provisions set forth in the Affirmative Action Plan of the Town of Lebanon.
- H. The Firm, in connection with the Scope of Services described herein, shall perform in a satisfactory and proper manner in accordance with standard architectural practices as used in the industry and as determined by the Town of Lebanon.
- I. The Firm will be required to provide the services as described below:
  - 1. Consult with the JTJHM LLC to determine and confirm any changes in the requirements of the project.
  - 2. Construction documents – number of copies of submittals, test results, minutes, final construction documents etc. – to be delineated

- J. The Firm shall be required to submit the following information with their proposal, assembled in the order presented:
1. A Letter of Transmittal which shall indicate the firm's interest in the project and a brief summary of their related experience.
  2. A detailed statement of the organizational plan proposed including the firm's technical approach to provide the services as specified.
  3. Summary of the firm's related experience to include details of their specific experience in Historic Houses additions and renovations projects.
  4. Evidence of proper registration(s), licenses(s) and insurance coverage.
  5. Firms are requested to limit the information contained in the proposal to only that information as above requested. Proposals containing superfluous information will not be considered.
  6. Detailed Construction Schedule demonstrating how the completion of May 1, 2016 will be obtained.

K. Method of Selection/Criteria for Award

1. The JTJHM LLC will evaluate qualifications and proposals based on the following criteria:

- . Firm's experience on **similar historic house** museum addition and renovation projects;
- . Firm's qualifications and experience of key personnel;
- . Technical competence of the firm;
- . Reputation of the firm based on references;
- . Technical approach, i.e., the firm's responsiveness to meet or exceed the specifications;
- . Schedule application/validity, i.e., the firm's current workload and ability to provide the services within the time allotted;
- . Firm's knowledge of State of Connecticut Building Officials and Code Administrators (BOCA) guidelines;
- . Firm's ability to furnish the required Certificates of Insurance.

After review of all factors, terms and conditions, including price, the JTJHM LLC reserves the right to reject any and all proposals, or any part thereof, or waive defects in same, or accept any proposal deemed to be in the best interest of the Town of Lebanon.

**BID FORM  
FOR  
PHASE III  
ADDITIONS AND RENOVATIONS TO  
JONATHAN TRUMBULL JR. HOUSE MUSEUM**

To: Selectman's Office  
Town Hall, 579 Exeter Road  
Lebanon, Connecticut 06249

Bid of:

---

(Name of Company)

The Bidder, in compliance with your invitation for Bids for **Phase III Additions and Renovations to the Jonathan Trumbull Jr. House Museum, 780 Trumbull Highway, Lebanon, Connecticut**, has examined the plans and specifications with related documents and the sites for the proposed work, and being familiar with the conditions surrounding the construction of the proposed work, including availability of materials and labor, hereby proposed to furnish all labor and materials in accordance with the Contract Documents within the time limit herein specified and at the prices stated below.

I have received the following addenda:

Addendum # \_\_\_\_\_ Date \_\_\_\_\_  
Addendum # \_\_\_\_\_ Date \_\_\_\_\_  
Addendum # \_\_\_\_\_ Date \_\_\_\_\_

These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

**BASE BID:**

For the work of the **Phase III Addition and Renovation to Jonathan Trumbull Jr. House Museum**, complete including all labor, materials, services, and equipment necessary for the completion of the Work the sum of:

TOTAL BASE BID PRICE

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

**ALTERNATES:**

**Alternate #1 – Provide roof lightning protection designed and installed by a company licensed in the State of Connecticut. ADD \$ \_\_\_\_\_.**

**Alternate #2 – Provide a drywall box out to conceal the ductwork in the Attic Room.**

**CONTRACTORS ORGANIZATION AND LIST OF SUBCONTRACTORS:**

Provide an organization chart of your company, listing key personnel and their responsibilities on this project. Attach resumes of the project manager and field superintendent to be assigned to this project. Include their present assignment within your organization and their responsibilities on this project. Mandatory List of Sub Contractors (attach separate sheet indicating name, address and phone #) to be used for the following trades: or indicate by GC if with own forces.

Site Work:

Millwork

Electrical:

### UNIT PRICES

S.F. = square foot    S.F.F. = square foot of face    S.Y. = square yard    V.F. = vertical foot  
L.F. = linear foot    EA. = each

The undersigned further proposes and agrees that should the amount of work required be increased or decreased, by a request of the Owner, the following supplemental Unit Prices will be the basic price in place for computing extra cost or credit. Each Unit Price shall include all equipment, tools, labor, permits, fees, etc., incidental to the completion of the work involved for that item. For additional work, each price given below includes the allowance for all costs, overhead and profit for all parties involved in the work. Applicable specification section and detail are referenced. All utility items marked with two asterisks (\*\*) shall include complete excavation, bedding, backfilling of pipe, as specified. Prepare a list as follows to be included in your proposal:

### OTHER UNIT PRICE DESCRIPTIONS

Per Diem General Conditions Costs for approved extensions of Contract Time  
Per Day. \$

I understand that the Owner reserves the right to reject this Bid, but that this Bid shall remain open and shall not be withdrawn for a period of forty five (45) days after the date prescribed for its opening.

If written notice of the acceptance of this bid is mailed or personally delivered to the undersigned within forty five (45) days after the date set for the opening of this bid, or at any time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the Contract Documents to the Owner in accordance with this bid as accepted and will also furnish and deliver, to the Owner, all required Performance and Labor and Materials Payment Bonds and proof of insurance coverage required, all within fifteen (15) days after personal delivery of or deposit in the mail of a notification of acceptance of this Bid.

Name of Bidder:

Signed by:

Title:

Mailing Address:

State of ( )  
County of ( ) Ss.  
( )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2016,

Personally appeared before me

Name of Person Signing

of

Title

Name of Bidder

Signed of the foregoing bid and acknowledged the same to be his free act and deed\*\* (as such officer and the free act and deed of said corporation)

---

Notary Public

- The bid must be signed by the Bidder if the Bidder is an individual; by one of the partners, if a partnership, by an authorized officer if a corporation. The person signing must state the capacity in which he signs at the place indicated.

\*\* If the Bidder is a corporation the blanks enclosed in parenthesis in the acknowledgment shall be filled with the name of the corporation, corporate seal, and the title of the person signing. If the Bidder is an individual or partnership the parenthesis should be disregarded.

Project PREQUALIFICATION STATEMENT

Enclose is bidders prequalification certificate showing that the bidder has the prequalification (s) and aggregate work capacity required for this contract. In addition to the documents required in the bid, an update statement must be included.

CONTRACTOR'S QUALIFICATION STATEMENT

Submitted by: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Corporation: \_\_\_\_\_

Partnership: \_\_\_\_\_

Individual: \_\_\_\_\_

Joint Venture: \_\_\_\_\_

Others: \_\_\_\_\_

Number of years doing business as a General Construction Contractor: \_\_\_\_\_

List other names under which organization has operated:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

If corporation, answer the following:

Date Incorporated: \_\_\_\_\_

State of Incorporation: \_\_\_\_\_

President's Name (s): \_\_\_\_\_

Vice-president's Name (s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If an individual or a partnership, answer the following:

Date of organization: \_\_\_\_\_

Name and address of all partners (state whether general or limited partners);

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If other than a corporation or partnership, describe organization and name principals:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

We normally perform the following work with our own forces:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Have you ever failed to complete any work awarded to you? If so, please note, When?, Where?, and Why?

---

---

---

Within the last five years, has any officer or partner of your organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation.

List five projects of similar size, dollar value, and type, completed in the last five years. Include telephone number and name of (owner) contact person involved in project (they will be contacted).

1. 

---
2. 

---
3. 

---
4. 

---
5. 

---

List Trade References:

List Bank References:

## Bid Return Label

Official Bid Documents Enclosed:

RFP

CONSTRUCTION PHASE III

FOR ADDITIONS AND RENOVATIONS

JONATHAN TRUMBULL Jr. HOUSE MUSEUM

**Return Date – March 17, 2016 at 3:00 PM at the Selectman's Office, Town Hall, 579 Exeter Road,  
Lebanon, CT, 06249**

Return to:

Selectman's Office

Lebanon Town Hall

579 Exeter Road

Lebanon, CT 06249

## 0.0 GENERAL CONDITIONS

### 0.1 OVERVIEW

- A. **Jonathan Trumbull Jr. House Museum** — Jonathan Trumbull Jr. (1740-1809), son of Connecticut's Revolutionary War Governor, served as General George Washington's secretary during the American Revolution and was later governor of Connecticut from 1797-1809. His elegant home with its hand-carved paneling and corner fireplaces is the house where Washington spent the night of March 4, 1781. The house (ca. 1769) is located in the Lebanon Green National Register District, at 780 Trumbull Highway (Route 87), Lebanon, Connecticut. The museum is owned and operated by the Town of Lebanon
- B. A Historic Structure Report and Conditions Assessment of the Jonathan Trumbull Jr. House was received from Paul B. Bailey Architect, New Haven, CT. Based on the Report and Assessment (delineating critical preservation, safety and accessibilities issues) the Phase III Additions and Renovations RFP was created.

### 0.2 Project Description

- A. The JTJHM LLC is seeking Construction proposals for listed additions and renovations to the Jonathan Trumbull Jr. House Museum. The selected Firm shall work directly with the Jonathan Trumbull Jr. House (JTJHM LLC) and the Owner's Representative (OR) to provide construction services for the planned additions and renovations.

#### B. PROPOSED SCHEDULE

Submission of detailed qualifications and RFP must be received by **March 17, 2016 at 3:00 pm** at the Selectman's office at Lebanon Town Hall.

Board of Historical Preservation, Jonathan Trumbull Jr. House will review qualifications on **March 17, 2016** at 5:00 pm

Contractor interviews **TBD**

Selection of contractor and notice to proceed **March 18 , 2016**

**Completion May 1, 2016.**

**Bidders** shall attach a schedule with their bid showing how they will complete work by May 1, 2016.

**0.3 Technical Scope of Work and General Conditions** for Phase III - Renovations and Additions to the Jonathan Trumbull Jr. House Museum, 780 Trumbull Highway, Lebanon, CT. This project includes:

**A.** Install ADA signage at bathroom entry (See Dwg. 1).

**B.** Renovation of Public Reception to Reception/Kitchen (1800's)/ Hands-on-Activity Room (for schools groups, etc.)

1. Provide 2 new LED wall sconces (Authentic Designs Model # SM-SC-519) control by motion sensors.
2. Provide new half door with transaction shelf and Office side (slide) lock into the Office.
3. Paint and patch as necessary.
4. Remove carpet, sand and refurbish wood floor.

**C.** Renovate Kitchen to primary function as an Office:

1. Remove south east closet above the duct outlet. Provide base and install furnished two-drawer vertical cabinet.
2. Provide wood built-in shallow cabinets, shelves, and desk on the south wall. Paint color TBD. Install cabinet locks on cabinets. Provide laminate top on desk.
3. Provide telecom and additional power at desk.
4. Provide recessed LED ceiling light (Juno Lighting Mini LED Downlight MDIL Recessed Housing and trim) over desk.
5. Remove all wallpaper.
6. Repaint north, east, south and west walls – patch as necessary. Paint color TDB.
7. Repaint ceiling, patch as necessary.
8. Remove and dispose of existing stove. Install furnished stovetop. Provide cabinets with file drawers below stove top to match existing cabinets. Change all knobs on north wall cabinets.
9. Install new vinyl sheet floor over the existing floor.

**D.** Renovated Bathroom:

1. Provide lock for existing door on north closet.
2. Provide new floor to ceiling cabinets with locks (simple cabinet key lock) and vents. Hardware TBD.
3. Patch and repaint as necessary.

**E.** Provide new LED wall sconce (Authentic Designs Model # SM-SC-519) at West Entry Hall and connect to existing motion sensor.

**F.** Provide new exterior sign matching the Lebanon Historical Society Museum sign. Location is the same as the existing JTJHM sign. It is a double sided approximately 54" x 41" carved sign, hardware for carved sign, poles & caps, installation and two (2) vinyl hanging signs and brackets. See Attachment – 1.

**G.** Replace rot in attic under north and south windows.

**H.** Install new CO2 sensors, one on each floor

- I. FYI - Abatement statement from Needs Assessment. Contractor shall review and be aware of Sections 3.0 thru 4.2 of the Needs Assessment regarding known asbestos and lead base paint and perform the above work in accordance with OSHA regulations.

J. Workmanship by the Contractor shall be in accordance with standards of the trade and of the highest quality, performed by skilled, experienced tradesmen. Contractor will furnish all labor, equipment, and materials, in accordance with state and local building codes for the completion of the noted work.

## ADDITIONAL INFORMATION

A Mandatory Pre-bid Meeting - A mandatory pre-bid is scheduled for **March 7, 2016, at 10:00 AM.**

Bidders are required to attend the pre-bid meeting to familiarize themselves with existing conditions and the scope of this project. Bidders shall become fully acquainted with conditions, including concealed conditions, relating to construction and labor so that they may fully understand the facilities, difficulties and restrictions of this project.

Bidders shall thoroughly examine and be familiar with the preliminary program and background drawings related to this project.

The failure or omission of any bidder to examine any addendum or other documents shall in no way relieve any bidder from any obligation with respect to their bid or the contract.

## Questions

No oral interpretations shall be made to any respondent as to the meaning of any of these documents or to be effective to modify any of the provisions of this request. Every request for an interpretation shall be made in writing. Questions shall be sent via email to [firstselectman@lebanontownhall.org](mailto:firstselectman@lebanontownhall.org) . Att. Sherri-Ann Martin. Deadline **March 9, 2016** by 3:00 pm.

To receive consideration, such questions shall be submitted in writing no more than two (2) days after the mandatory pre-bid. The last day for questions is **March 9, 2016** by 3:00 pm.

The JTJHM LLC Chairman will arrange as addenda, which shall become a part of the contract, all questions received as above provided and the decision regarding each. At least five (5) days prior to the receipt of bid proposals, the JTJHM LLC Chairman will send a copy of these addenda to each of those who attended the mandatory pre-bid.

Non-receipt of said addenda shall not excuse compliance with said addenda. It is the responsibility of each respondent to determine whether any addenda have been issued, and if so, whether he/she has received a copy of each.

No alleged "verbal interpretation" shall be held valid. Any addenda issued during the bidding period shall supersede previous information.

## **Receipt of Proposals**

Firms shall be required to submit nine (9) copies (1 color, 8 black and white) and a PDF copy on CD of their proposal for these services to the Selectman's Office, Lebanon Town Hall by the time and date specified.

Proposals must be signed and submitted in an envelope using the bid return label included in this RFP. Proposals will be stamped with date and time when received by the Selectman's Office at the Lebanon Town Hall. Proposals will be stored securely until the JTJHM LLC sets special meeting dates for proposal opening and review.

## **Evaluation and Selection**

The JTJHM LLC shall review all proposal documents received and short list or reduce the number to the most qualified firms to interview for the project. Selected firms shall then be notified in writing. Bidders who are not invited to participate in this interview process shall be notified in writing.

The JTJHM LLC will schedule the time and location of the interviews. Firms selected to interview shall prepare an oral presentation not to exceed thirty (30) minutes followed by a question and answer period. The JTJHM LLC may opt to hold second interviews with two or more finalists.

All finalists will be notified in writing of the final firm selection following JTJHM LLC approval.

## **INSURANCE REQUIREMENTS**

### **A. General Requirements**

The FIRM shall be responsible for maintaining insurance coverage in force for the life of this contract of the kinds and adequate amounts to secure all of the FIRM'S obligations under this contract with an insurance company(ies) with an AM Best Rating of A- VIII or better licensed to write such insurance in the State of Connecticut.

The insurer shall provide the Town of Lebanon with original completed Certificates of Insurance signed by an authorized representative of the insurance company(ies) prior to purchase order/contract issuance. The FIRM also agrees to provide replacement and/or renewal certificates at least thirty (30) days prior to the expiration of each policy.

Such insurance or renewals or replacements thereof shall remain in force during the FIRM'S responsibility under this contract.

The FIRM, at their own cost and expense, shall procure and maintain all insurances required and shall name the Town of Lebanon, the Board of Trustees for the Jonathan Trumbull Jr. House Museum LLC and the Owner's Representative as Additional Insured on all contracts, except

Workers' Compensation. Upon request, the FIRM shall provide a copy of the policy endorsement confirming the additional insured status of all parties required to be named in accordance with the terms of this contract.

## B. Specific Requirements

### 1. Workers' Compensation Insurance

The FIRM shall provide Statutory Workers' Compensation Insurance, including Employer's Liability with limits of:  
\$100,000 Each Accident  
\$500,000 Disease, Policy Limit  
\$100,000 Disease, Each Employee

### 2. Commercial General Liability Insurance

The FIRM shall carry Commercial General Liability insurance (Insurance Services Offices Incorporated Form CG-0001 or equivalent). A per occurrence limit of \$1,000,000 is required. The Aggregate Limit will be not less than \$1,000,000. Any deviations from the standard unendorsed form will be noted on the Certificate of Insurance.

### 3. Business Automobile Liability Insurance

If applicable, the FIRM shall carry Business Automobile Liability insurance (Insurance Services Office Incorporated Form CA-00001 or equivalent). A combined single limit each accident of \$1,000,000 is required. "Any Auto" (symbol 1 or equivalent) is required. Any deviations from the standard unendorsed form will be noted on the Certificate of Insurance.

## GENERAL REQUIREMENTS – Division 1

### 01010 Workmanship

A. Workmanship by the Contractor shall be in accordance with the standards of the trade and of the highest quality performed by skilled experienced tradesmen.

### 10119 Contract Considerations

A. Warrantee: All workmanship and materials shall be guaranteed for a minimum period of one year after final acceptance by the Board. The Contractor at no expense to the Board shall correct necessary warrantee repairs or replacements. If, after proper notification, the required repairs or replacements are not corrected by the Contractor, the Board shall have required corrections performed by others and all expenses incurred shall be forwarded to the Contractor. All materials shall be first quality and of a type approved for use in the project herein specified. They shall be delivered in their original, unopened containers with the approved manufacturer's identification and stored along with the Contractor's tools and equipment in an area designated by the JTJHM LLC. Any and all warranties, as-builts, service manuals, diagrams, and instructions associated with the project shall be turned over to the JTJHM LLC Representative.

B. The Contractor shall provide a Material Safety Data Sheet (MSDS) for all products to be used at the time material/equipment cut sheets and shop drawings are submitted for review. Non-receipt of the MSDS for any product proposed for use will delay the job from starting. Compliance with all JTJHM LLC Safety Programs is

mandatory. All State of Connecticut, OSHA, and related safety compliance directives are hereby made a part of this specification to the same extent as if written out herein in full to the extent that such recommendations are not in conflict with applicable codes.

C. The Contractor shall execute every precaution in protecting JTJHM LLC (Town of Lebanon, CT) property and equipment and shall repair and/or replace damaged items at no charge to the Board. The Contractor shall provide a total cleanup of the sites.

D. The Contractor is responsible for total coordination of all aspects of the job until final acceptance. The Contractor shall be solely responsible for damages, losses or liability due to theft or vandalism. The Contractor shall be responsible for the protection of JTJHM LLC (Town of Lebanon, CT) property during the completion of all work on JTJHM LLC (Town of Lebanon, CT) property.

#### **01039 Coordination and Meeting**

- A. The JTJHM LLC. Owner Representative will be **Kathryn Hurley, Gilbane Building Company**, telephone **860-368-5100**.
- B. The Contractor shall provide an on-site experienced supervisor with responsibility for all aspects of the job and supervision of sub-contractors at all times during daily job performance. All work shall be performed with the appropriately licensed personnel as required by the state and local authorities.

#### **01045 Cutting and Patching**

##### **1.01 QUALITY OF CUTTING AND PATCHING WORK**

- A. All work is to appear as if it was completed during original construction. All equipment shall be located as closely as possible to location indicated on drawings, however locations shall be adjusted in field to minimize cutting and patching of exposed materials. Conduit, piping, duct work, wiring and apparatus shall be concealed from view in all occupied spaces but may be exposed in mechanical, storage, janitorial and equipment spaces.
- B. All existing exposed materials which must be cut or removed for installation of new systems and materials shall be replaced or repaired to match existing materials as closely as practical.
- C. Successful bidder shall, within 15 days of the contract signing, and prior to beginning the work, carefully examine the existing conditions and mark up one copy of the plans indicating preferred location of equipment and routing of conduit, piping, duct work and wiring to minimize cutting and patching. He shall then arrange a meeting on site with the OR to review these locations and extent of cutting and patching. He shall not proceed with the Work until these plans are approved.

##### **1.02 SUBMITTALS**

- A. Submit written request in advance of cutting or alteration which affects:
  - 1. Structural integrity of any element of Project.
  - 2. Integrity of weather exposed or moisture resistant element.
  - 3. Efficiency, maintenance, or safety of any operational element.
  - 4. Visual qualities of sight exposed elements.
  - 5. Work of Owner or separate contractor.
- B. Include in request:



1. Date and time work will be executed.

## 2.01 MATERIALS

- A. Primary Products: Those required for original installation.
- B. Product Substitution: For any proposed change in materials, submit request for substitution under provisions of Section 01600.

## 3.01 EXAMINATION

- A. Inspect existing conditions prior to commencing Work, including elements subject to damage or movement during cutting and patching.
- B. After uncovering existing Work, inspect conditions affecting performance of Work.
- C. Beginning of cutting or patching means acceptance of existing conditions.

## 3.02 PREPARATION

- A. Provide devices and methods to protect other portions of Museum from damage.
- B. Provide protection from elements for areas which may be exposed by uncovering work.

## 3.03 CUTTING AND PATCHING

- A. Execute cutting, fitting, and patching including excavation and fill to complete Work.
- B. Fit Products together, to integrate with other work.

## 3.04 PERFORMANCE

- A. Execute work by methods to avoid damage to other Work, and which will provide appropriate surfaces to receive patching and finishing.
- B. Cut rigid materials using masonry saw or core drill. Pneumatic tools are not allowed without prior approval of JTHM LLC.
- C. Restore work with new Products in accordance with requirements of Contract Documents.
- D. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- E. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated safety material.
- F. Refinish surfaces to match adjacent finish.
- G. Include all necessary provisions to preserve the integrity of the structure. Include all necessary provisions to preserve the integrity of all utilities. Insure after jacking-up of structure that all interior and exterior systems are tight and operating as they were in original condition.

## 01300 Submittals

- A. The Contractor shall perform change orders upon receiving written notification by the Board only. The Contractor shall be allowed a 4% markup for overhead and 8% markup for profit.
- B. Any and all licenses or permits required shall be obtained and paid for by the Contractor.

## **01600 Material and Equipment**

- A. The Contractor shall furnish all labor, tools, equipment, and material in accordance with state and local building codes for the completion of the project.

## **01700 Contract Closeout**

- A. Town of Lebanon / JTJHM LLC reserves the right to cancel any project at any time if it deems it to be in the best interest of the Town.
- B. The Contractor shall submit proof that all the sub-contractors have been paid before submitting their final payment request.

## **001921 Selective Demolition**

- A. The work of this section includes, but is not limited to, the demolition and removal from the site of existing construction, materials and systems as indicated on Drawings. General items to be demolished include the following:
  - 1. Removal of doors, frames and other areas as indicated.
  - 2. Removal/replacement of designated flooring.
  - 3. Coring and cutting of existing floor system.
  - 4. Temporary protection of adjacent building improvements during demolition work.
  - 5. Removal of Doors and Door Frames.
  - 6. Install door and frame.
- B. Occupancy: Areas to be demolished will be unoccupied prior to start of work.
- C. Condition of Structures: Owner assumes no responsibility nor makes any claim as to the actual condition or structural adequacy of any existing construction to be demolished. The Contractor shall investigate and assure himself of the condition of the work to be demolished and shall take all precautions to ensure safety of persons and property.
- D. Salvage: Items of value which are not indicated to be returned to the Owner or reused on this project shall become the property of the Contractor. Storage or sale of items on the project site is prohibited.
  - 1. Items indicated to be salvaged shall be removed with extreme care to prevent damage. All components and parts of salvaged items shall be saved and packaged. Store salvaged items as directed by OR.
- E. Traffic: Conduct operations and removal of debris to ensure minimum interference with the normal use of public passages and other adjacent facilities. Do not close or obstruct traffic ways, corridors, streets, walks or other used facilities without the written permission of the Owner and authorities having jurisdiction.
- F. Dust Control: Take special care to control dust to avoid creating a nuisance. Obtain OR's approval of means, methods and techniques used to control dust and noise.
- G. Utilities: Maintain all utilities except those requiring removal or relocation. Keep utilities in service and protect from damage. Do not interrupt utility serving used areas without first obtaining permission from the Building Owner. Provide temporary services as set forth in "General Requirements".
- H. Submittals

- a. Submit detailed schedule indicating proposed methods and operations to be used in demolition. Include information for disconnecting utilities and legal disposal of refuse.
- l. Doors and Frames: Where doors and frames are indicated to be removed from walls or partitions which are to remain, remove doors and frames carefully so as to minimize damage to wall. Repair and patch wall as necessary to accommodate new work.
  - a. Create subfloors and substrates suitable for installation of new work.
  - b. Upon completion of demolition work, all spaces and surfaces shall be broom clean and all nails, wires, hangers, and other items shall be removed down to bare substrates.
- J. Remove all debris from site and dispose of legally. Burning on site is not permitted.

## **DIVISION 2**

### **SECTION 02100 SITE WORK INSTRUCTIONS:**

#### **1.01 DEFINITIONS:**

##### **A. State Specifications Definitions:**

"State Specifications" referred to herein means the "State of Connecticut Department of Transportation Standard Specifications Form 814A, for Roads, Bridges and Incidental Construction" dated 1995, and "Supplement". The word "Engineer" appearing in the Standard Specifications shall be construed to mean the Agency. Article dealing with the basis of payment shall be considered inapplicable to this Contract.

#### **1.02 PROTECTION OF PROPERTY:**

- A. The work under this Contract shall be executed in such a manner that no damage or injury will occur to the public, to all properties and structures off or on the site which may be in any way affected by the operations under the Contract, to streets, paving, gas, water, electrical or any other pipes, mains, conduits, overhead utility wires, and to all other property. Should any damage or injury be caused by the Contractor, or anyone in his employ, or by the work under this Contract, the Contractor shall, at his own expense, make good such damage and assume all responsibility for such without cost to the Agency.

#### **1.03 RELATED WORK:**

- A. Other areas which directly relate to the work of this section include, but are not limited to, the following:
  - 1. Water.
  - 2. Communications.
  - 3. Electric.

#### **1.04 SUBMITTALS:**

- A. The Contractor shall submit the samples, certifications or MSDS sheets prior to use on the project.

## **DIVISION 6**

### **SECTION 06100 Carpentry**

#### **1.01 WORK INCLUDED**

- A. Miscellaneous wood framing.
- B. Furring and blocking.
- C. Plywood backer boards.

#### **1.02 SUBMITTALS**

- A. Product Data:
  - 1. Submit product data, for each type of lumber use, in accordance with Contract Conditions identified with quality grade, type of finish and species of wood.

#### **1.03 DELIVERY**

- A. Immediately upon delivery to job site, place materials in area protected from weather.

#### **2.01 MATERIALS**

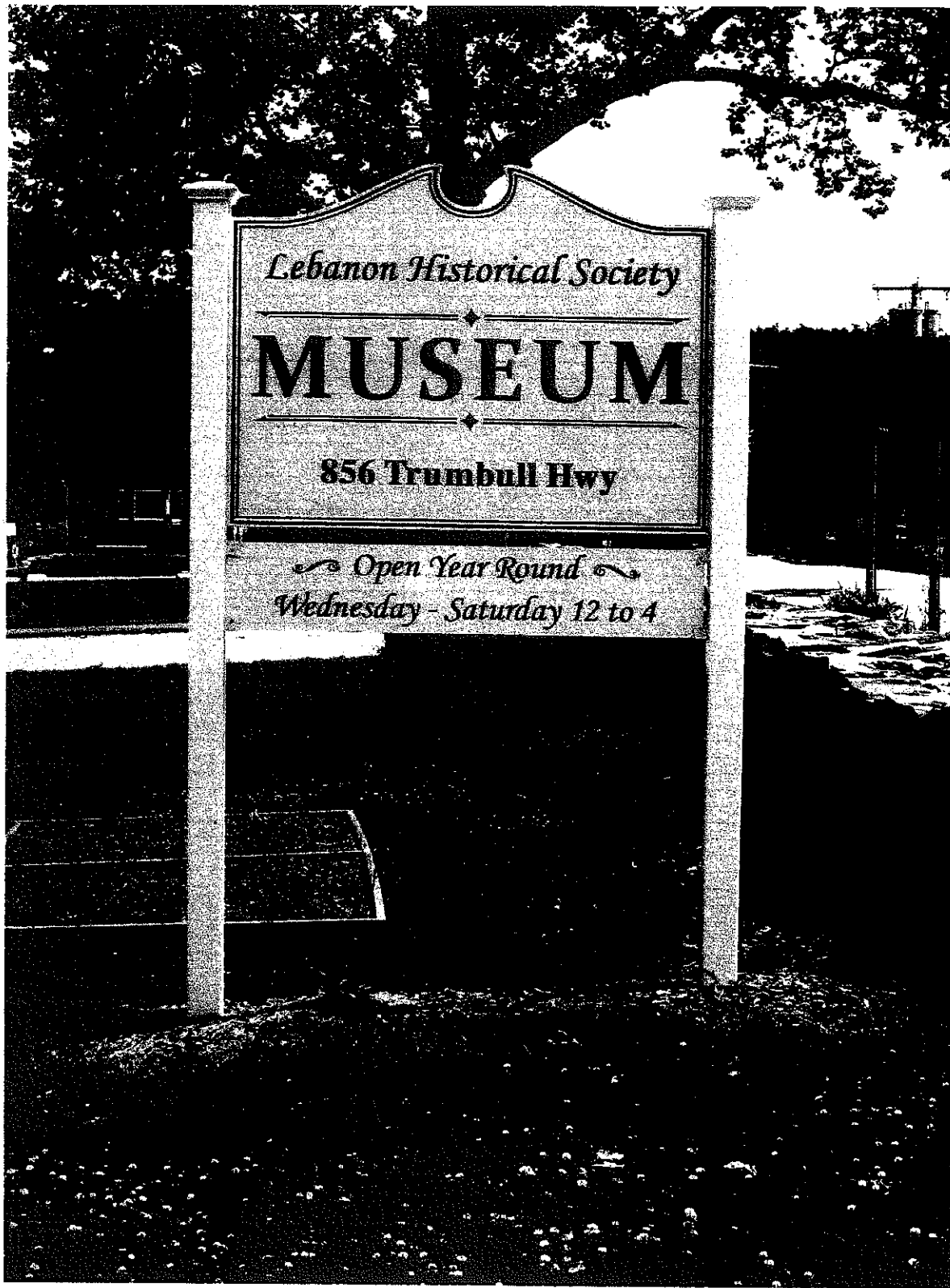
- A. Lumber - for rough carpentry
  - 1. Framing lumber, any commercial soft wood species except as noted.
    - a. Light framing.
      - 1. Plates, blockings, bracings, furring, and nailers: utility grade.
  - 2. Plywood
    - a. Exterior grade: 3/4 inch thick and 1/2 inch thick

#### **3.01 INSPECTION**

- A. Verify that surfaces to receive rough carpentry materials are prepared to required grades and dimension.

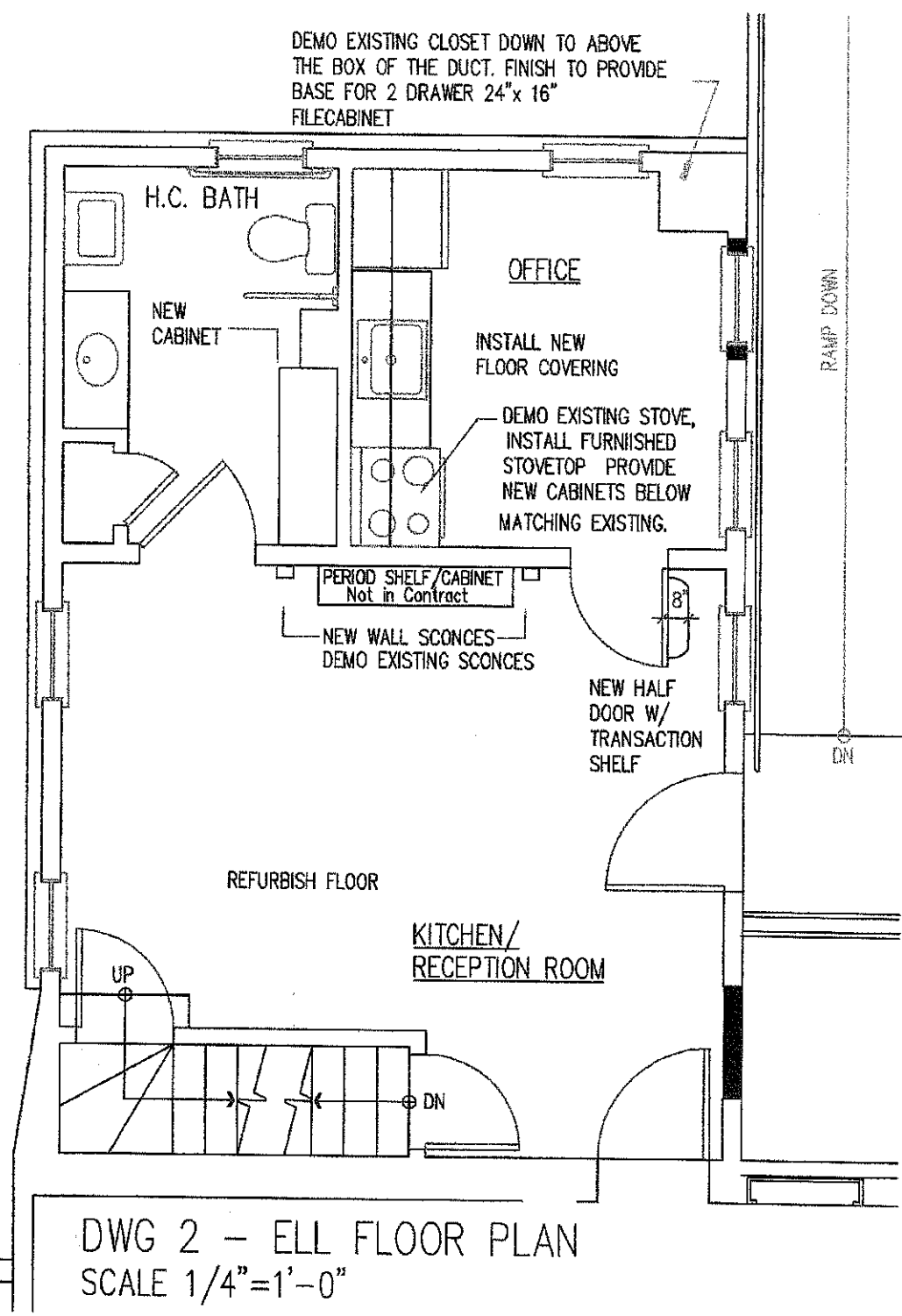
#### **3.02 INSTALLATION**

- A. Blocking:
  - 1. Wedge, align, and anchor blocking with countersunk bolts, washers and nuts or nails.
  - 2. Locate blocking to facilitate installation of finishing materials, fixtures, and specialty items.
- B. Pressure Treated Wood Products
  - 1. Fire retardant treated wood shall be used for all interior rough carpentry.
  - 2. Wood blocking to be used and in contact with roofing shall be preservative treated in accordance with roof system manufacturer.

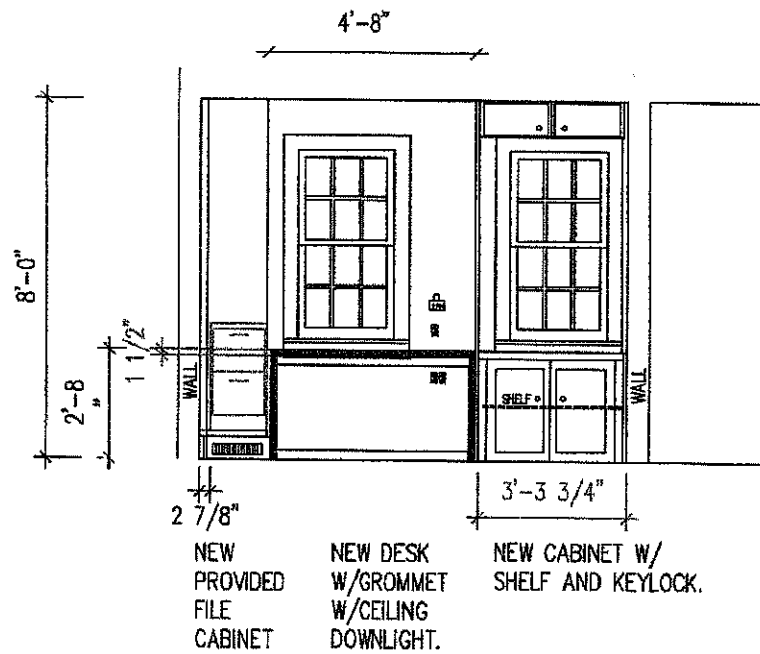


± 54"

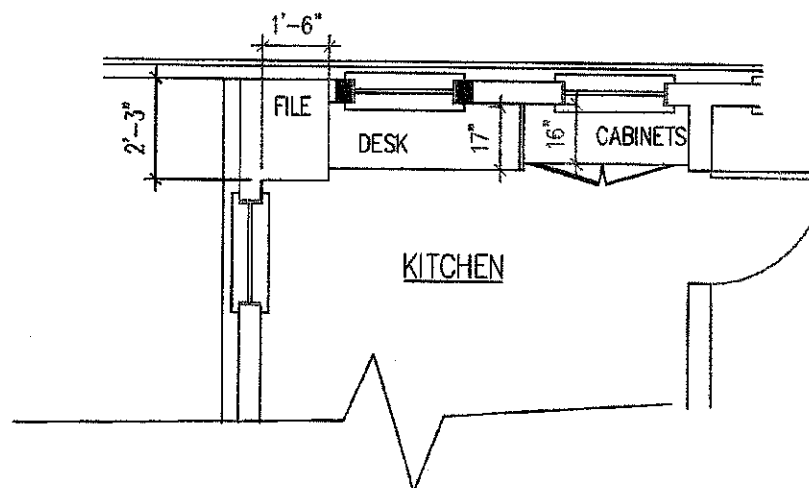




DWG 2 - ELL FLOOR PLAN  
SCALE 1/4"=1'-0"



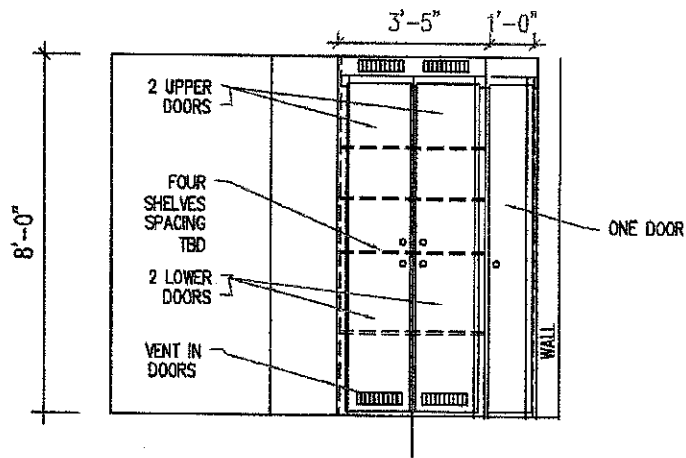
OFFICE - SOUTH ELEVATION



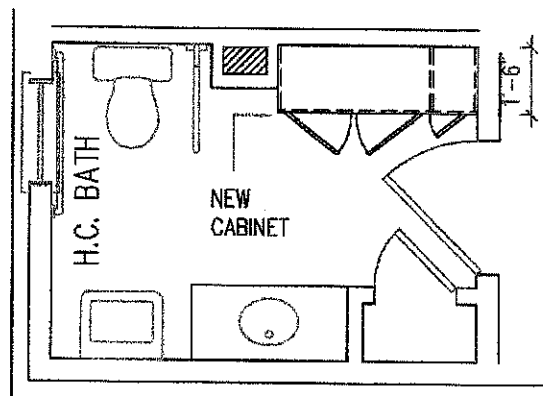
OFFICE - SOUTH WALL PLAN

DWG 3  
SCALE 1/4"=1'-0"





BATHROOM – NEW CABINET  
SOUTH WALL ELEVATION



BATHROOM PLAN – NEW CABINET

DWG 4  
SCALE 1/4"=1'-0"

### 3.0 INSPECTION PROTOCOLS

#### 3.1 Asbestos-Containing Materials

##### 3.1.1 Inspection

The asbestos-containing materials inspection included the accessible interior and exterior portions of the building including the roofing systems. Semi-destructive testing techniques were utilized during the inspection process. This included cutting through various layers of flooring and roofing materials to verify and sample individual layers of suspect ACM. Suspect building materials that are inaccessible for inspection and sampling are assumed to be ACM for the purpose of this report. These suspect materials are generally located in operational equipment, behind rigid walls and ceilings, below rubber roof membranes or otherwise concealed areas of the building including below grade materials.

During the inspection, suspect materials are located, sampled, quantified and the friability of the material is determined. Friable materials are those materials that hand pressure can crumble, pulverize or reduce to powder when dry. Estimated quantities of identified ACM's are provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material.

##### 3.1.2 Bulk Sampling

During the sampling process, suspect ACM is separated into three USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials, and Miscellaneous materials. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, towed or otherwise applied to an existing surface. These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

This inspection was cursory in nature and limited addition bulk sampling may be necessary before renovations of the building to fulfill the United States Environmental Protection Agency (USEPA) sampling requirements.

##### 3.1.3 Bulk Sample Analysis

The samples of the suspect asbestos containing materials are sent to a State of Connecticut Department of Public Health (DPH) approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample is determined to contain asbestos. Upon determination that one sample in the set contains asbestos, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content.

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being asbestos-containing material (ACM). Suspect materials containing greater than one percent (1%) asbestos utilizing the PLM Point Count Method and the NOB TEM method are also considered to be asbestos-containing. Materials determined to contain greater than one percent (1%) asbestos is regulated by the USEPA, the State of Connecticut Department of Public Health and Department of Environmental Protection and the United States Department of Labor. Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Samples results indicating "Did Not Analyze" (DNA) are not analyzed due to the stop on first positive request to the laboratory.

### 3.1.3.1 Friable ACM Analysis

Certain samples of friable materials shown to contain less than 10% asbestos are analyzed further by the "Point Count Method". This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method.

### 3.1.3.2 Non-Friable ACM Analysis

Certain samples of non-friable materials shown to contain "less than 1% asbestos", "TRACE" or "NAD" are recommended for analyses by the "NOB TEM ELAP 198.4 Method". This procedure is recommended by the United States Environmental Protection Agency to further evaluate non-friable bulk samples for asbestos. Suspect materials confirmed by NOB TEM to be "less than 1 % asbestos", "TRACE" or "NAD" are considered non-asbestos containing.

## 3.2 Lead-Based Paint

### 3.2.1 X-Ray Fluorescence Screen

The lead-based paint screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 2753 within the limits of the inspection area(s). The screen includes only accessible areas within the inspection area(s) and accessible building materials.

The lead-based paint screen includes testing limited components and or surfaces throughout the structure. It is not the intent to test all painted components, but to identify on a broad scale the impact of lead paint as it relates to the disposal of lead paint contaminated debris and potential worker exposure issues. Generally, wall and ceiling surfaces, painted floors, window systems and door systems are tested. Other components such as baseboards, cabinets, columns, trim, etc. are tested on a limited basis. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" side following in a clockwise order.

The data is presented on computer generated Lead Inspection Reports contained in Appendix 3. The Summary Report provides an inventory of each surface coating that contains lead at or above 1.0 mg/cm<sup>2</sup>. The Detailed Report is an inventory of each tested surface on a room-by-room basis.

For the purpose of this report, the XRF results are separated into two (2) categories; high levels of lead (>1.0 mg/cm<sup>2</sup>) and low levels of lead (<1.0 mg/cm<sup>2</sup>). Building materials containing high levels of lead have a greater probability of creating worker exposures during construction than do building materials with low levels of lead. Additionally, lead waste characterization sampling is required for building materials containing high levels of lead (>1.0 mg/cm<sup>2</sup>) and will become a waste product as a result of demolition or renovation activities.

### 3.2.2 Lead Waste Characterization

The State of Connecticut Department of Environmental Protection regulates the disposal of hazardous waste. The required analytical test to determine a materials waste classification is the Toxicity Characteristic Leachate Procedure, or TCLP (Regulation of State DEP 22a-449© - 101 (a) (1), incorporating 40 CFR 262.24). Eagle Environmental, Inc. did not perform waste characterization sampling and analysis under this scope of services. Waste characterization should be performed once the scope of renovation work is known and the individual waste streams are identified.

### **3.4 Universal Waste Materials and Other Environmental Concerns**

A visual inspection for Universal Waste Materials associated with the site was performed. The Universal Waste Materials included a group of materials (PCB or DEHP containing items, Mercury containing items, Chlorofluorocarbons, used electronics that are sometimes found in building materials or are a component of a building fixture or are stored in a building that is subject to universal waste regulations.

#### **3.4.1 PCB and Di-ethylhexylphthalate (DEHP) Containing Items**

A visual inspection for the presence of lighting ballasts and electrical equipment potentially containing PCB's or DEHP was performed at the site. Lighting ballasts and oil-filled capacitor manufactured after 1979 may have "NO PCB's" stamped on its casing. These are filled with oil which does not contain PCB's but may contain DEHP. Capacitors with date stamps prior to 1979 or no date stamps are assumed to contain PCB's. Lighting ballasts labeled as "No PCB's" are assumed to contain DEHP if the date stamp is illegible or non-existent. Electronic ballasts are not assumed to contain PCB's or DEHP.

#### **3.4.2 Mercury Containing Items**

During the inspection process fluorescent, metal halide and sodium lamps are assumed to contain mercury vapors unless the end caps of the tubes are green indicating they are mercury free. Thermostatic controls, switches, manometers, capacitors and other used electronic components are inventoried during the inspection process.

#### **3.4.3 Used Electronics and Batteries**

An inventory of used electronics that may fall under the Universal Waste regulations was developed during the inspection. These materials include but are not limited to lead acid batteries in emergency lighting and exit signs and stored electronic equipment that may contain hazardous or regulated substances.

#### **3.4.4 Chlorofluorocarbons**

Eagle Environmental inspected the building for compressor tanks associated with water fountains, portable air conditioning units, the indoor environmental cooling system and walk-in coolers or freezers. The inspectors also inspected rooftop HVAC units where present. These tanks are all assumed to contain Freon.

### **4.0 INSPECTION RESULTS**

#### **4.1 Asbestos-Containing Materials**

During the course of the building inspection fifty-two (52) bulk samples of suspect ACM were collected and forty-eight (48) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory. Additionally there were one (1) samples analyzed by the NOB TEM Method.

From the forty-eight (48) samples analyzed, the white duct paper insulation at heating vent risers, yellow swirl pattern vinyl sheet flooring and pink sink undercoating were found to be ACM. Additionally, the adhesive associated with the yellow swirl pattern sheet flooring, the tar paper under the clapboard siding and flashing cement associated with the chimney were assumed to be ACM. The tar paper under the clapboard siding and the chimney flashing cement could not be sampled without compromising the building envelope. These materials must be sampled if they will be disturbed by renovation work. The remaining suspect materials were confirmed to be non-ACM.

The duct paper insulation may be present on additional duct work that is located within walls or ceilings. Eagle Environmental, Inc. did not perform destructive sampling to locate all the duct paper insulation concealed within walls or ceilings. The duct paper insulation may remain within the concealed areas of the walls and ceilings if it will not be disturbed by renovation work.

This inspection was cursory in nature and limited additional bulk sampling may be necessary prior to renovation work.

The summaries of asbestos and non-asbestos materials are presented in Tables I and II respectively. The asbestos analysis laboratory reports are provided in Appendix 2.

The NOB TEM analyses confirmed the white vinyl sheet flooring to be non-asbestos containing material.

Any suspect material not specifically identified in this report as non-ACM should be assumed to contain asbestos unless sample results prove otherwise.

All regulated friable and regulated non-friable ACM must be removed prior to demolition activities. A State of Connecticut Licensed Asbestos Abatement Contractor must be retained to perform the removal work. Visual inspections must be performed within each abatement area at the completion of the abatement work. The visual inspections must be performed by a State of Connecticut licensed Asbestos Project Monitor. The abatement areas must meet final visual inspection criteria prior to the planned building renovation. Re-occupancy air monitoring is required if the building will be re-entered by any person following abatement and prior to planned renovation. This includes but is not limited to entry for utility disconnects, salvage, equipment removal, etc.

The Asbestos Abatement Contractor must submit a notice of asbestos abatement to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of any asbestos abatement activities involving the abatement of greater than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials.

#### **4.2 Lead-Based Paint**

##### **4.2.1 X-Ray Fluorescence Screen**

A total of forty-seven (47) XRF readings were collected during the lead-based paint screen of the building. From the forty-seven (47) readings, thirteen (13) were above 1.0 mg/cm<sup>2</sup>. The exterior window and door trim, interior doors and trim, interior window sashes and trim and stair components were identified as containing lead at or above 1.0 mg/cm<sup>2</sup>.

The lead-based paint screen was cursory in nature and did not constitute a comprehensive inspection of the building. Untested building components should be assumed to contain lead concentrations equivalent to those that were tested.

Contractors performing work that disturbs lead at any level must comply with the OSHA Lead in Construction Standard 29 CFR 1926.62. Waste characterization sampling and analysis is required if lead coated building materials will become a waste product as a result of renovation activities.

A complete inventory of tested building materials is presented in Detailed Reports contained Appendix 3.

# DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Paul Bailey

Inspection Date: 08/23/11  
 Report Date: 8-23-2011  
 Abatement Level: 1.0  
 Report No. S#02753 - 08/23/11 14:15  
 Total Readings: 47  
 Job Started: 08/23/11 14:15  
 Job Finished: 08/23/11 15:12

Jonathan Trumbull Jr. House  
 780 Trumbull Highway (Rte. 87)  
 Lebanon, CT

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
Exterior Room 001 Facade A									
035	A	Facade	Lft		P	Clapboard	yellow	-0.2	QM
033	A	Window	Lft	Rgt casing	I	Wood	yellow	1.0	QM
034	A	Door	Lft	Rgt casing	I	Wood	yellow	2.9	QM
Exterior Room 002 Facade B									
036	B	Facade	Lft		P	Clapboard	yellow	-0.2	QM
038	B	Bulkhead Doo	Lft		P	Metal	brown	-0.1	QM
037	B	Window	Lft	Sash	P	Clapboard	yellow	-0.1	QM
Exterior Room 003 Facade C									
040	B	Window	Lft	Rgt casing	P	Wood	yellow	-0.1	QM
039	B	Window	Lft	Sash	P	Wood	yellow	1.0	QM
041	C	Facade	Lft		P	Wood	yellow	0.5	QM
Exterior Room 004 Facade D									
042	D	Facade	Lft		P	Wood	yellow	0.4	QM
043	D	Window	Lft	Sash	P	Wood	yellow	-0.2	QM
044	D	Door	Lft	Rgt jamb	P	Wood	yellow	7.8	QM
Interior Room 001 Number Only									
004	B	Window	Lft	Sash	P	Wood	white	-0.3	QM
005	C	Wall	Lft		P	Plaster	white	-0.2	QM
006	D	Door	Lft	Door	P	Wood	white	1.4	QM
Interior Room 002 Number Only									
010	B	Wall	Lft		I	Dry wall	white	-0.4	QM
009	B	Window	Lft	Rgt casing	I	Wood	white	0.7	QM
007	D	Door	Lft	Door	P	Wood	white	>9.9	QM
008	D	Door	Lft	Rgt casing	P	Wood	white	0.0	QM
Interior Room 003 Number Only									
011	C	Window	Lft	Sash	I	Wood	white	0.7	QM
Interior Room 004 Number Only									
012	D	Window	Lft	Sash	I	Wood	white	3.1	QM
013	D	Door	Lft	Door	I	Wood	white	7.2	QM
Interior Room 005 Number Only									
017	D	Wall	Lft		I	Plaster	white	-0.2	QM
016	D	Baseboard	Lft		I	Wood	brown	-0.2	QM
015	D	Window	Lft	Sill	I	Wood	grey	-0.3	QM
014	D	Door	Lft	Door	I	Wood	grey	-0.2	QM
Interior Room 007 Number Only									
018	D	Stairs	Lft	Treads	I	Wood	white	1.8	QM
Interior Room 009 Number Only									
021	A	Mantle	Lft		I	Wood	grey	0.1	QM
020	A	Door	Lft	Lft casing	I	Wood	grey	0.5	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Paul Bailey

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm <sup>2</sup> )	Mode
019	B	Window	Lft	Sash	I	Wood	grey	-0.1	QM
Interior Room 010 Number Only									
022	A	Window	Lft	Rgt casing	I	Wood	white	1.7	QM
Interior Room 011 Number Only									
024	B	Wall	Lft		I	Plaster	white	-0.4	QM
023	B	Window	Lft	Rgt casing	I	Wood	white	-0.3	QM
Interior Room 012 Number Only									
027	B	Window	Lft	Sash	I	Wood	grey	1.6	QM
025	C	Wall	Lft		I	Plaster	white	-0.2	QM
026	C	Door	Lft	Rgt casing	I	Wood	brown	0.3	QM
Interior Room 013 Number Only									
030	A	Door	Lft	Rgt casing	I	Wood	yellow	1.7	QM
029	C	Window	Lft	Sash	I	Wood	yellow	-0.1	QM
028	D	Wall	Lft		I	Wood	yellow	-0.2	QM
Interior Room 014									
032	A	Window	Lft	Rgt casing	I	Wood	grey	1.4	QM
031	B	Door	Lft	Rgt casing	I	Wood	grey	-0.1	QM
Calibration Readings									
001								0.9	TC
002								0.7	TC
003								0.8	TC
045								0.9	TC
046								1.0	TC
047								1.0	TC

----- End of Readings -----

**TABLE I**  
**ASBESTOS CONTAINING MATERIALS**  
**SUMMARY TABLE**  
**780 TRUMBULL HIGHWAY**  
**LEBANON, CONNECTICUT**

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CLASS	BULK SAMPLE ANALYSIS RESULTS				QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
Room 001	White duct paper insulation at vent riser	8-23-JP-01	TSI	30% Chrys.			YES	7 at 2 SF Ea	F
		8-23-JP-02		DNA					
		8-23-JP-03		DNA					
Room 004	Yellow swirl pattern vinyl sheet flooring	8-23-JP-25	MISC	20% Chrys			YES	100 SF	NF
		8-23-JP-26		DNA					
		8-23-JP-29		2% Chrys					
Room 004	Pink sink undercoating	8-23-JP-30	MISC	DNA			YES	1 Sink at 2 SF	NF
		Assume		Assumed					
		Assume		Assumed					
Room 004	Adhesive associated with yellow swirl pattern sheet flooring	Assume	MISC	Assumed			Assume	100 SF	NF
Facade A, B, C, D	Tar paper under clapboard siding	Assume	MISC	Assumed			Assume	3, 120 SF	NF
Roof 2	Flashing cement under metal flashing at chimney	Assume	MISC	Assumed			Assume	12 LF	NF
KEY									
DNA = DID NOT ANALYZE				ANALYTICAL METHODS					
NAD=NO ASBESTOS DETECTED				PLM PC=EPA 600/R-93/116 QUANTITATION 400 POINT COUNT					
F = FRIABLE				TEM NOB = NEW YORK ELAP 198.4 METHOD					
NF = NON-FRIABLE				PLM=EPA 600/R-93/116					
TSI = THERMAL SYSTEMS INSULATION				PS=Previously Sampled					
SURF = SURFACING MATERIAL									
MISC = MISCELLANEOUS MATERIAL									
BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION									